DERWENT-ACC-NO: 2003-096322

DERWENT-WEEK: 200309

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TITLE: <u>Extracting</u> Alpinia speciosa component for use as <u>insect</u> repellent, involves immersing Alpinia speciosa in a solution containing <u>surfactants</u>, at specified temperature by mixing, stirring and shaking frequently

INVENTOR: HAMANAKA H

PATENT-ASSIGNEE:

ASSIGNEE CODE

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PRIORITY-DATA: 2000JP-320739 (October 20, 2000)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE

<u>JP</u> July 26, JA

<u>2002206099</u> 2002

<u>A</u>

APPLICATION-DATA:

 PUB-NO
 APPL-DATE
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 DESCRIPTOR

 JP2002206099A
 October 20, 2000
 2000JP-320739

INT-CL-CURRENT:

TYPE IPC DATE CIPS <u>A01</u> N <u>65</u>/<u>00</u> 20060101 CIPP <u>A23 L 1/212</u> 20060101 CIPS <u>A23</u> <u>L</u> <u>1/30</u> 20060101 CIPS <u>A23</u> <u>L</u> <u>2/38</u> 20060101 CIPS <u>A23</u> <u>L</u> <u>2/52</u> 20060101 CIPS <u>A23</u> <u>L</u> <u>3/3472</u> 20060101 CIPS <u>A61 K 36/18</u> 20060101 CIPS <u>A61 K 8/00</u> 20060101 CIPS A61 K 8/96 20060101 CIPS A61 K 8/97 20060101 CIPS A61 P 1/10 20060101 20060101 CIPS <u>A61</u> <u>0</u> <u>17/00</u> CIPS <u>A61</u> <u>Q</u> <u>17/02</u> 20060101 CIPS <u>A61</u> <u>Q</u> <u>19/10</u> 20060101

CIPS <u>C11</u> <u>B</u> <u>9</u>/<u>02</u> 20060101

ABSTRACTED-PUB-NO: JP 2002206099 A

BASIC-ABSTRACT:

NOVELTY - Extracting Alpinia speciosa incorporating component involves, immersing Alpinia speciosa in a solution containing uniform dispersion of 0.01-10 %, by weight, of surfactants at 10-50 degrees C by mixing, stirring and shaking the solution frequently. The solution is a mixture of water, or water and water soluble solvent, which forms hydrogen bonding with water.

None given.

USE - For use as wipe water, beverage, <u>insect</u> repellent and bath preparation (claimed).

ADVANTAGE - The method enables to provide an efficient extraction of Alpinia speciosa in reliable manner. The product containing the Alpinia speciosa extract has excellent stability.

DESCRIPTION OF DRAWING(S) - The drawing shows the ultraviolet (UV) absorption spectrum for the Alpinia speciosa liquid product obtained by the micelle catalyst mechanism and without micelle catalyst mechanism.

ABSTRACTED-PUB-NO: JP 2002206099 A EOUIVALENT-ABSTRACTS:

(In weight parts) Alpinia speciosa stalk (20) were immersed in solution containing tetra glyceryl monolaurates (1), glycol (89) and water(10), extracted for 1 hour at 90 degrees C by rotational stirring at 150 revolutions per minute (rpm). Then the extracted solution was filtered and light orange transparent extract was collected. 50 mg of the product was dissolved in 100 ml methyl alcohol and analyzed in ultraviolet (UV) absorption spectrum. The product extracted from Alpinia speciosa had maximum absorbance. Hence the result revealed that by using micelle catalyst mechanism, perfumed oil compound was effectively extracted from Alpinia speciosa.

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: EXTRACT ALPINIA COMPONENT <u>INSECT</u> REPEL IMMERSE SOLUTION CONTAIN SURFACTANT SPECIFIED TEMPERATURE MIX STIR SHAKE FREQUENT

DERWENT-CLASS: B04 C03 D13 D21

CPI-CODES: B04-A08; B04-A09; B04-A10; B14-B05; C04-A08; C04-A09; C04-A10; C14-B05; D05-H13; D08-B09A2;

CHEMICAL-CODES:

Chemical Indexing M1 *01*
Fragmentation Code
M423 M720 N161 P361 Q233
Specific Compounds

RA25E0 Registry Numbers 303873

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 2003-024398